IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No .:

ISPH-0215

Inventors:

McKay et al.

TO

Serial No.:

08/910,629

Filing Date:

August 13, 1997

Examiner:

M. Shibuya

Group Art Unit:

1635

Title:

Oligonucleotide Antisense Compositions and Methods

Modulation of JNK Proteins

Honorable Commissioner of Patents and Trademarks Washington, D.C. 20231

Dear Sir:

DECLARATION UNDER RULE 1.131

- I, Robert McKay, hereby declare that:
- I am a co-inventor of the above-identified application, filed on August 13, 1997.
- As evidenced by the copies of my laboratory notebook pages dated October 11, 1995 attached hereto, the invention of antisense oligonucleotides targeted to JNK1 in this country was made, recorded and disclosed in confidence to another who read and understood the invention, prior to the February 14, 1997 publication date of the Seimiya et al. reference [Seimiya et al., The Journal of Biological Chemistry, 272(7):4631-4636] cited by the Examiner in an Office Action mailed on January 21, 1998 in the above-referenced application.

P.32

3. Our invention was not in public use or on sale in this country, or patented or described in a printed publication in this or any foreign country, for more than one year prior to our application. We have never abandoned our invention.

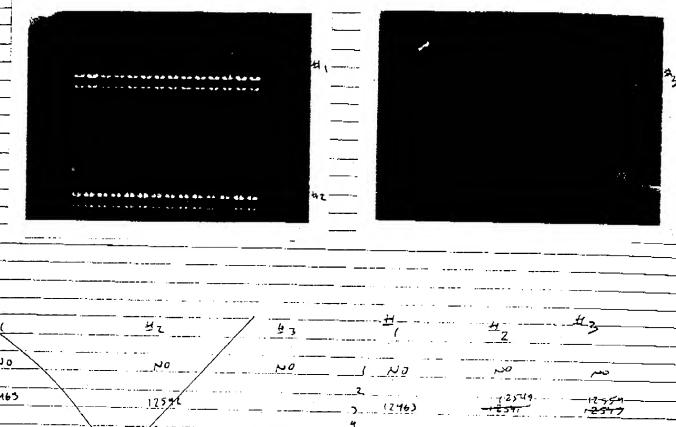
I further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true, and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

6/3/98

Date

Robert McKav

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	Sample #	Sample	ug/ul	ul/15 ug	
<u>.</u>					
	1	No Oligo	2	7.5	to the seminate of the management of the seminate of the semin
	2	11000	2.3	6.5	·· ···
	4	11983	2.5	6.0	
	5	12463	2.7	5.6 7.1	
	6		1.8	8.3	
1	7	12464	1.9	7.9	·
	8		2	7.5	
	9 10	12538	2.3	6.5	
	11	12539	2.5	6.0	···
	12	12338	2.6 1.9	5.8	
	13	12548	1.9	7.9	
	14		2.6	5.8	
	15	12549	2.6	5.8	
	16 i		2.5	6.0	
	17	12550	2.4	6.3	
	19	12551	2.1	7.1	
	20	12401	1.9	7.9 8.3	
-	21	12552	1.7	8.8	
	22		2	7.5	
	23	12553	2.1	7.1	
	24		1.9	7.9	
	25 26	12554	2.3	6.5	
	27	12555	2.4	5.3	
	28	12300	2.3	6.5 7.1	
	29	12556	1.9	7.9	
	30		1.8	8.3	
	31	12557	2.3	6.5	



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No		٥٠٨		, wo	تىسر
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1253\$	12549	4	2 12538 8	15213	12536
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12590	12546		11 17549	+ 75%	11583
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Sheet2

sample	jnk 1	G3PDH	Norm G3	Norm. JNK1	Avg	% con
11 00	7					
No Oligo	115645	655272.941	0.85		75698	100
	125543		0.86			
12463	12546				17410.54	23
	12589	994610.714		19854		
12464	8039		0.69	14265	13625.64	18
	9231	831316.418	0.67	12544		<u> </u>
12538	11356	714079,487	0.78	26789	24980.34	33
	12354	742642.667	0.75	22659		
12539	15654	944037.288	0.59	7801	6812.82	9
	17985	856895.385	0.65	5861		
12548	13656	625822.472	0.89	4501	3784.9	5
	14524	618868.889	0.9	2953		
12549	7085	586296.842	0.95	19215	21195.44	28
	9987	6120.68132	91	23541		
12550	15646	556982	1	31564	30279,2	40
	15322	679246.341	0.82	29584		
12551	11354	714079.487	0.78			52
	12451	598905.376	0.93	42564		
12552	10963	568348.98	0.98	24687	25737.32	34
	11235	714079.487	0.78	26598		· · · · · · · · · · · · · · · · · · ·
12553	18254	773586,111	0.72	15698	18924.5	25
	16454	632934.091	0.88	21548		
12554	10695	647653,488	0.86	7821	8326.78	11
	11278	612068.132	0.91	8854		
12555	15874	574208.247	0.97	22546	20438.46	27
	18658	625822.472	0.89	18546		
12556	11256	640209.195	0.87	29856	31036.18	41
	14563	714079.487	0.78	33599	7.000110	·
12557	9083	742642.667	0.75	22654	21952.42	29
	10023	586296.842	0.95	20154		<u> </u>
11983	62589	605415.217!	0.92	31222	30279.2	40
	65369	618868.889	0.9	29565	00213.2	- +0

Inhibition of human JNK-1 mRNA expression in A549 cells DATA FROM PREVIOUS 1 SUREN 6/15/95 125 100 50 25 Oligo [400 nM]

CERTIFICATE OF Applicant(s): McKay et	TRANSMISSION BY FACS	SIMILE (37 CFR 1.8)		Docket No. ISPH-0526			
Serial No. 09/774,809	Filing Date January 31, 2001	Examiner T. Gibbs		Group Art Unit 1635			
Invention: ANTISENSE OLIGONUCLEOTIDE COMPOSITIONS AND METHODS FOR THE MODULATION OF JNK PROTEINS							
1 hereby certify that this	- "	oviate a Double Patenting Reje (Identify type of correspondence)					
is being facsimile transm	nitted to the United States Patent	and Trademark Office (Fax.	No. 7	03-872-9306)			
on January 3							
		Jane Masse	v Licat	2			
		(Typed or Printed Name of Per					
		& Card Card rechi					
		Janacon Juch (Signatu	re)				
	Note: Each paper must h	ave its own certificate of mailing.					

Terminal Disclaimer To Obviate A Double Patenting Rejection Over A Prior Patent			Docket No. ISPH-0526			
In Re Application Of: McKay et al.						
Serial No. 09/774,809	Filing Date January 31, 2001	Examiner T. Gibbs	Group Art Unit 1635			
Invention: ANTISENSE OLIGONUCLEOTIDE COMPOSITIONS AND METHODS FOR THE MODULATION OF JNK PROTEINS						
Owner of Record: Isis Pharmaceuticals, Inc.						
	TO THE ASSISTANT CO	MMISSIONER FOR PATEN	TS <u>:</u>			
the expiration date of the disclaimer, of prior Patent be enforceable only for a patent granted on the instance of the instanc	No. 6,133,246. The owner he and during such period that it and the ant application and is binding upon the bove disclaimer, the owner does end to the expiration date of the full tened by any terminal disclaimer, in	reby agrees that any patent so the prior patent are commonly the grantee, its successors and not disclaim the terminal part statutory term as defined in 35 to the event that it later expires I jurisdiction, is statutorily discla- mination certificate, is reissued,	application, which would extend beyond so presently shortened by any terminal granted on the instant application shall owned. This agreement runs with any for assigns. of any patent granted on the instant of U.S.C. 154 to 156 and 173 of the prior for failure to pay a maintenance fee, is aimed in whole or terminally disclaimed or is in any manner terminated prior to			
For submissions undersigned is empowered.	s on behalf of an organization (e.g ed to act on behalf of the organization	л.	iversity, government agency, etc.), the			
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United statements and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.						
2. The undersigne	d is an attorney of record.					
Santandical.	<u>)</u>	Dated: January 3, 20	003			
Terminal discla	Signature me Massey Licata ped or Printed Name imer fee under 37 C.F.R. 1.20(d) inc					
X 575	d wording for terminal disclaimer was der 37 C.F.R. 3.73(b) is required if t	s unchanged.	the assignee.			